

Title: "Method and System for Automated Focus Distances The Constant of the Co

Inventors: John F. Corson et al. Application No.: 10/086,743 Docket No. 10020335-1

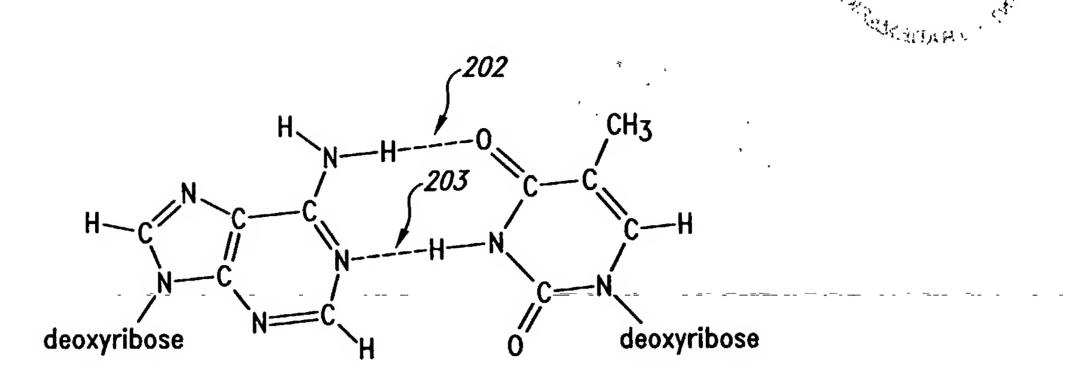


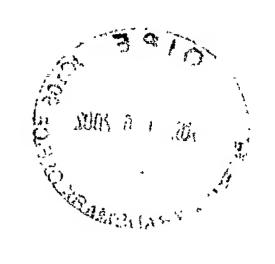
Fig. 2A

Fig. 2B

Title: "Method and System for Automated Focus-Distance
Determination for Molecular Array Scanners"

Inventors: John F. Corson et al.
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Docket No. 10020335-1



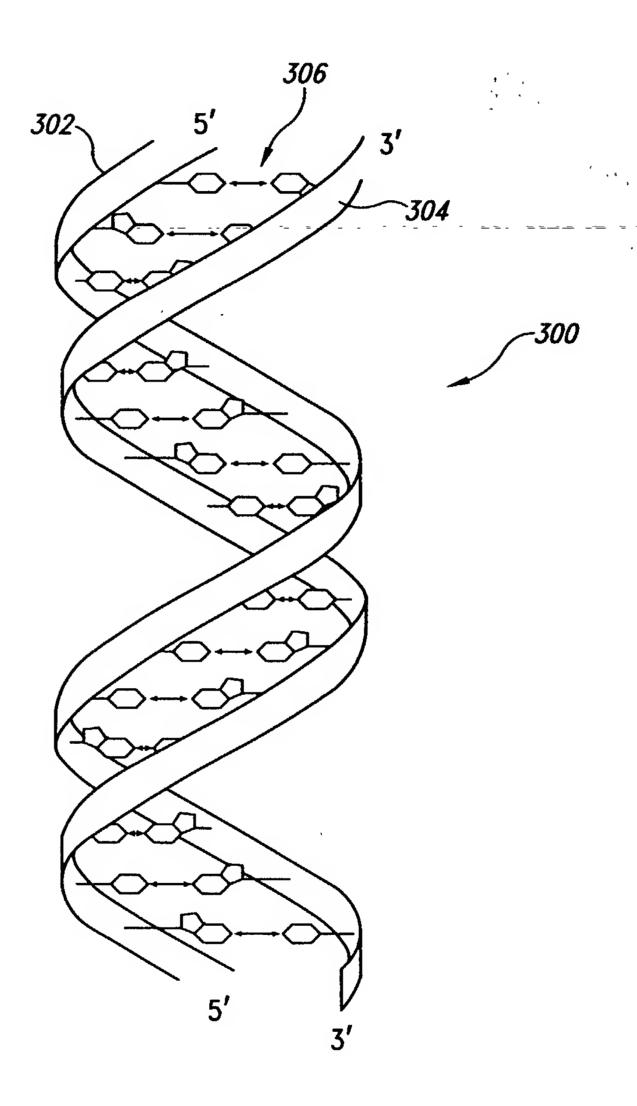


Fig. 3

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Fig. 4

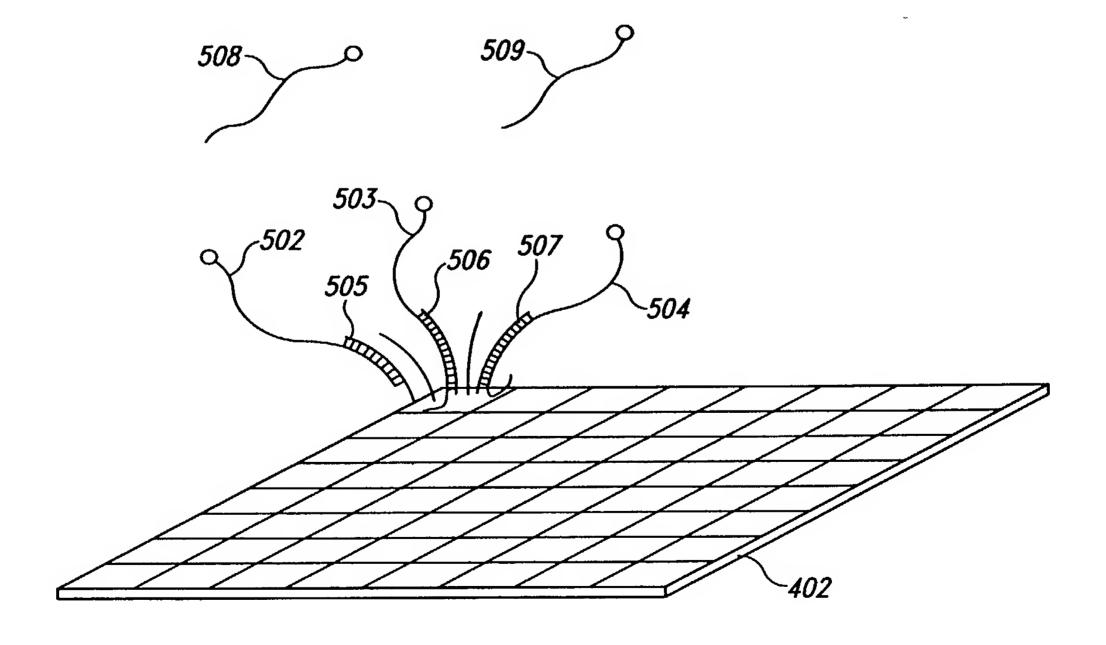


Fig. 5

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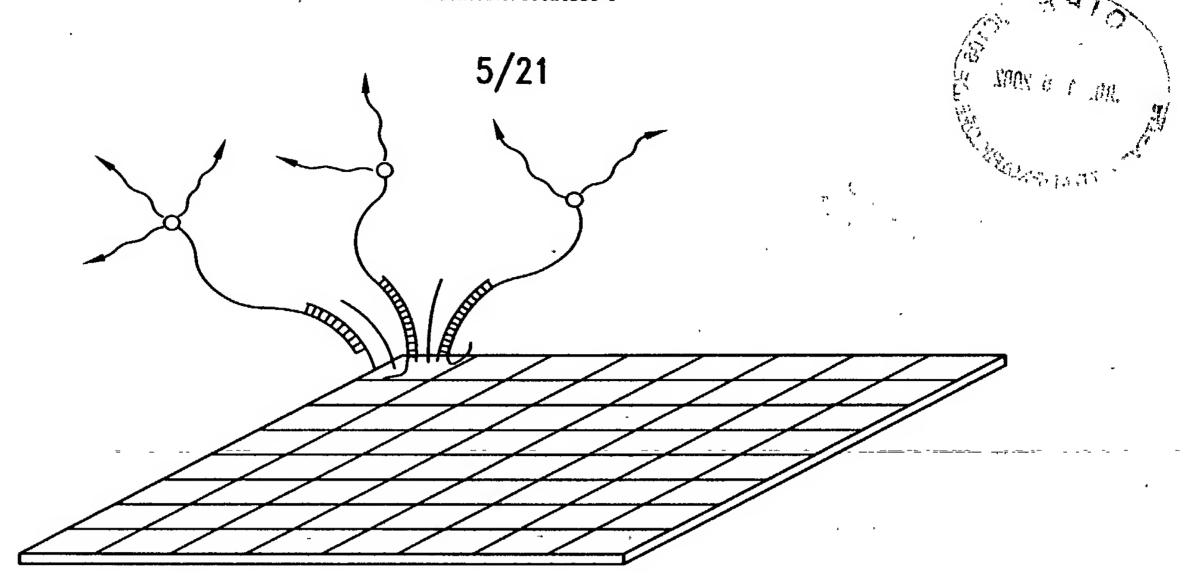


Fig. 6

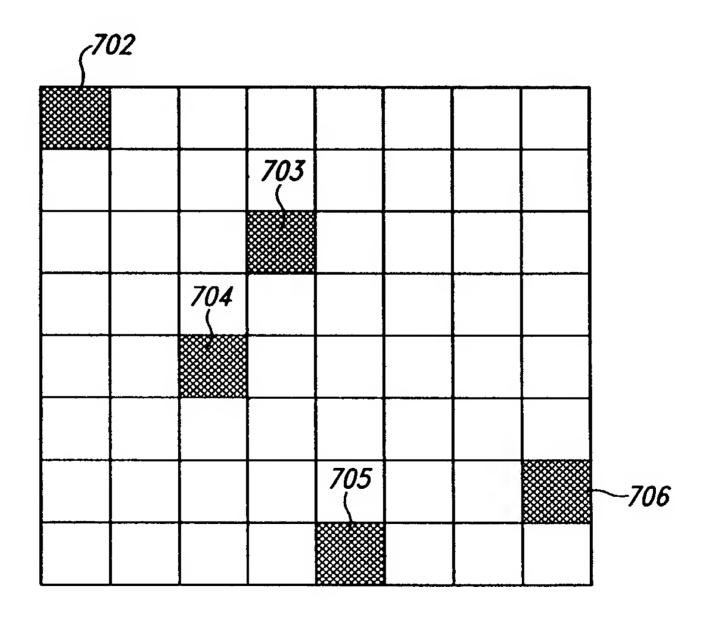


Fig. 7

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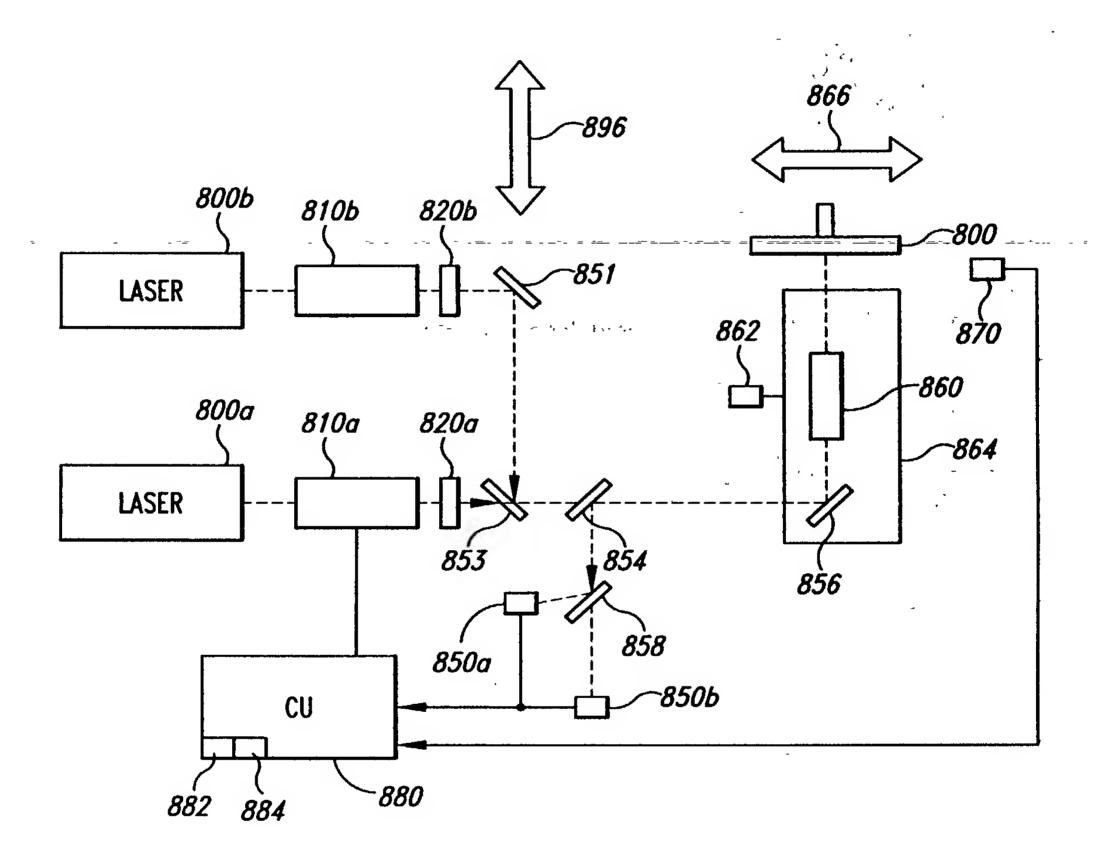


Fig. 8

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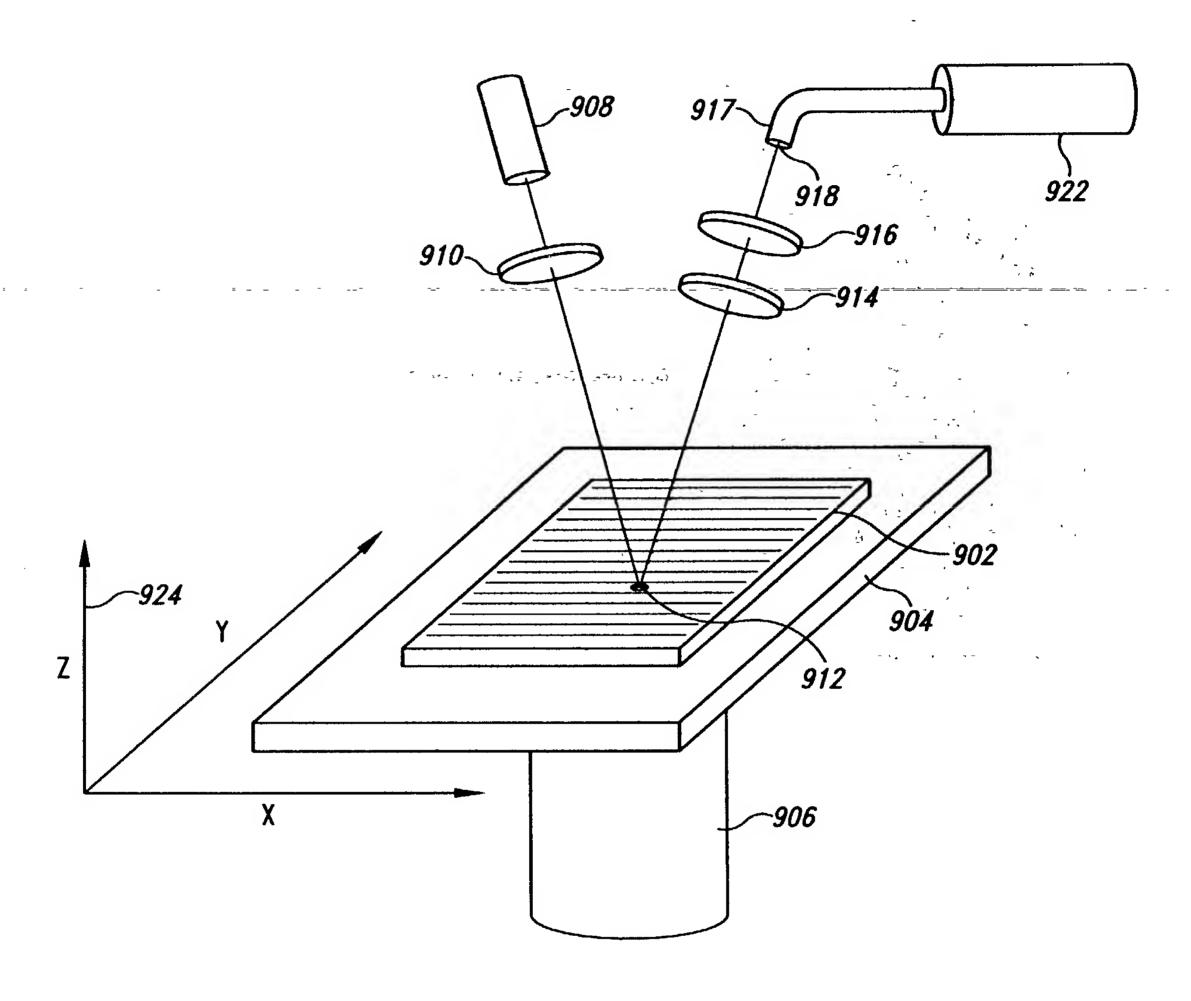
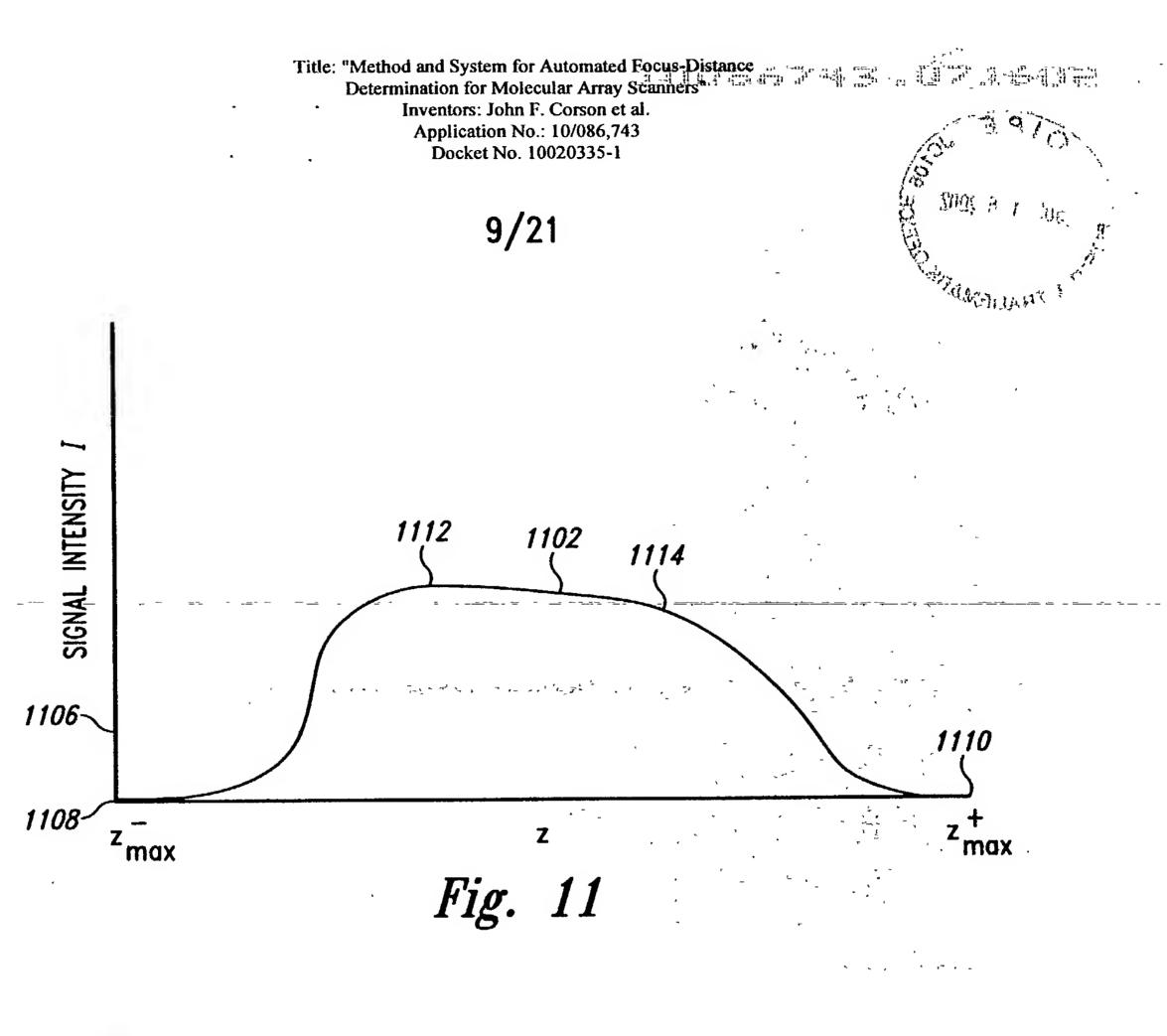
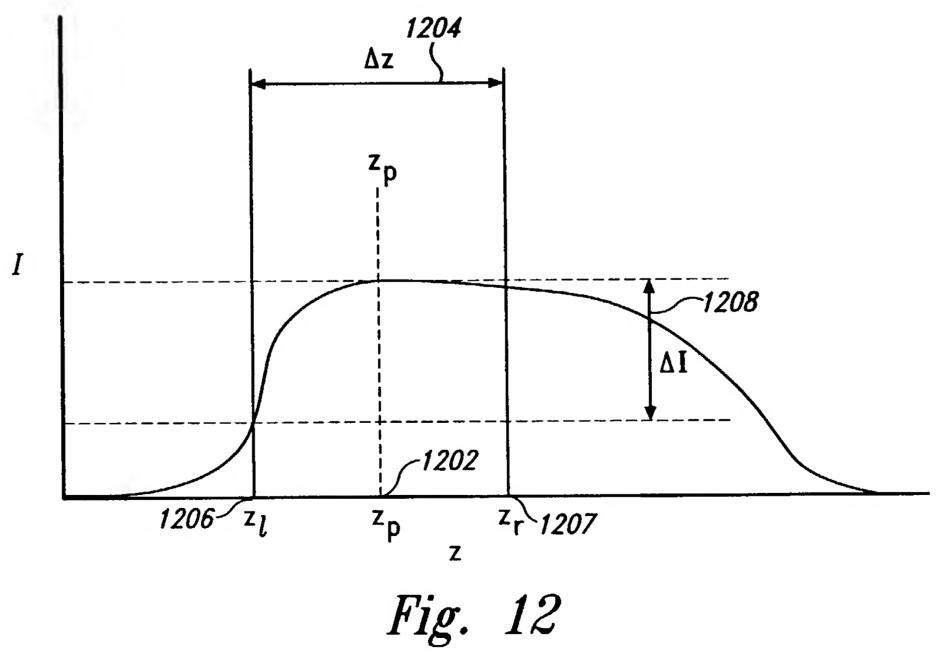


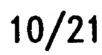
Fig. 9

Fig. 10





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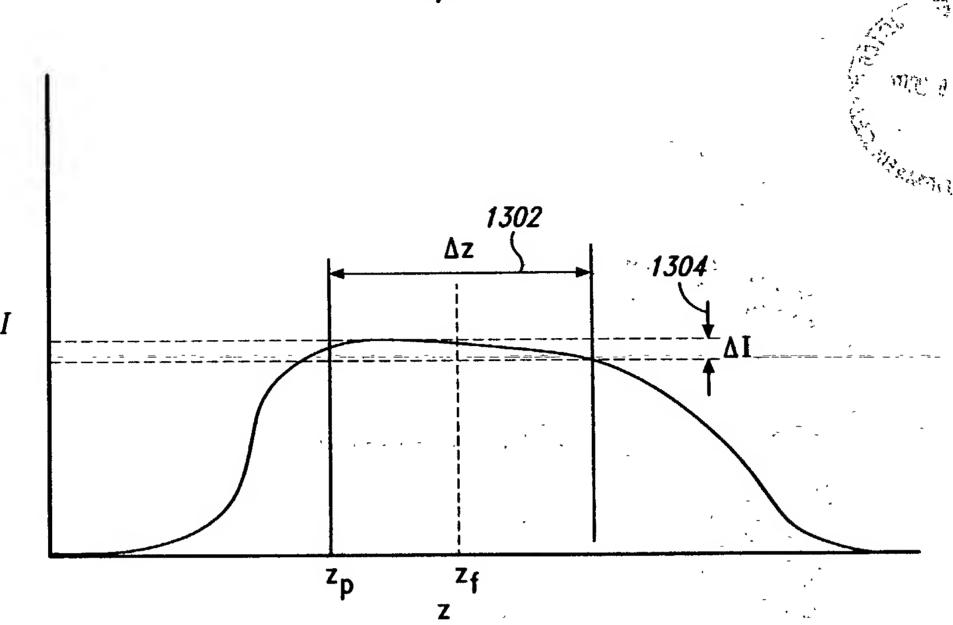


Fig. 13

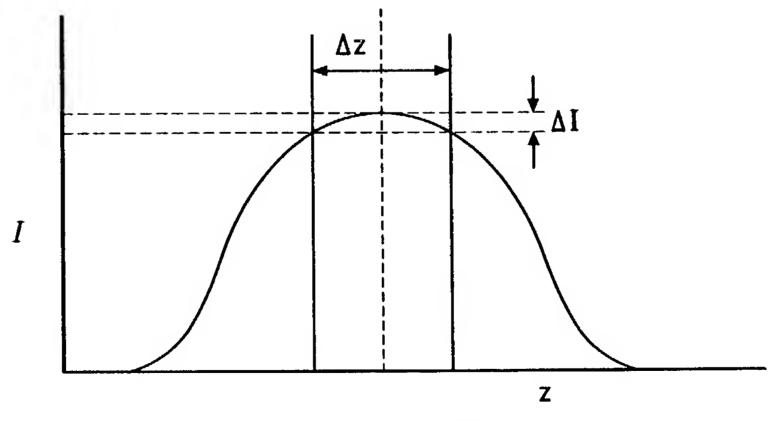


Fig. 14

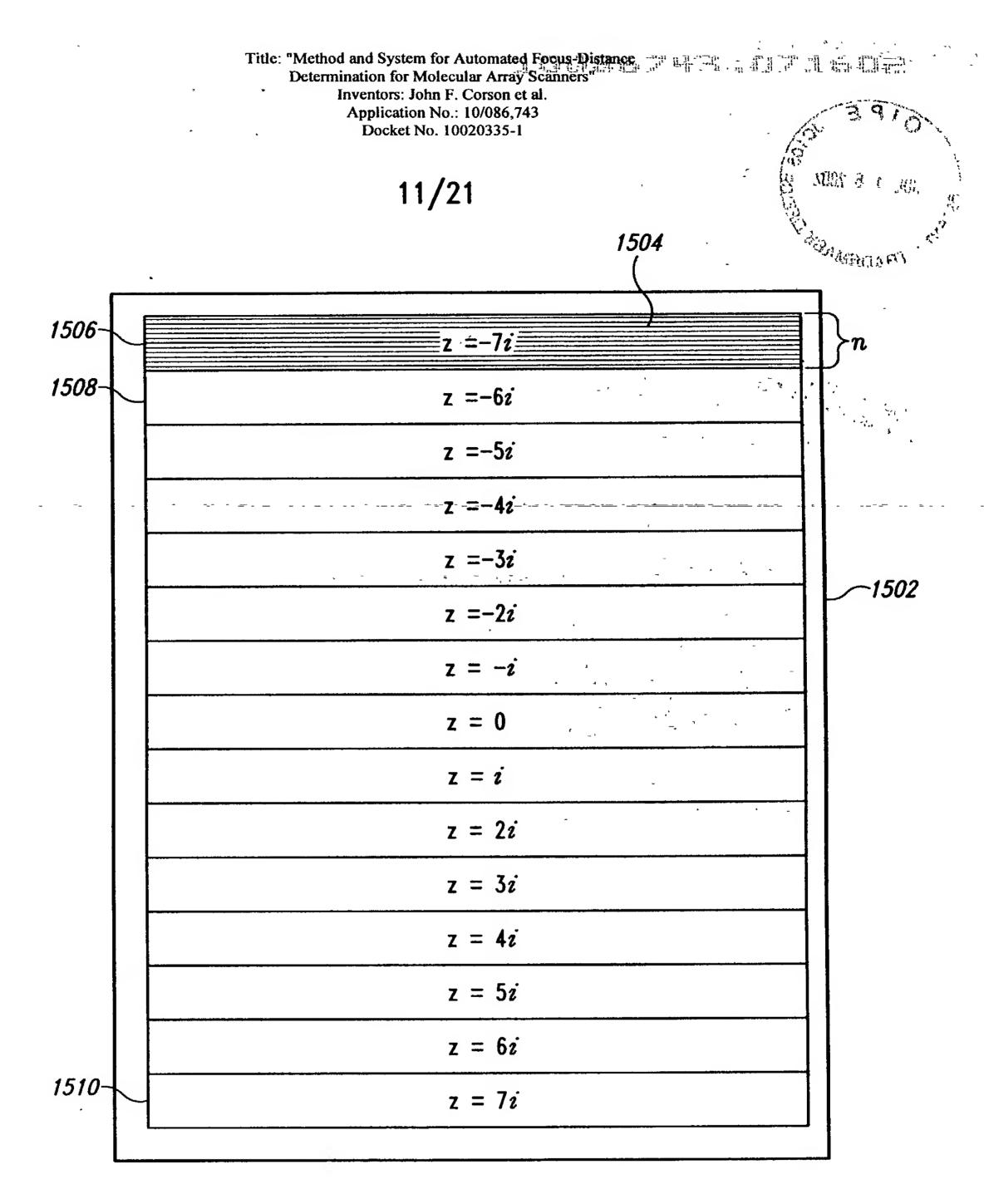
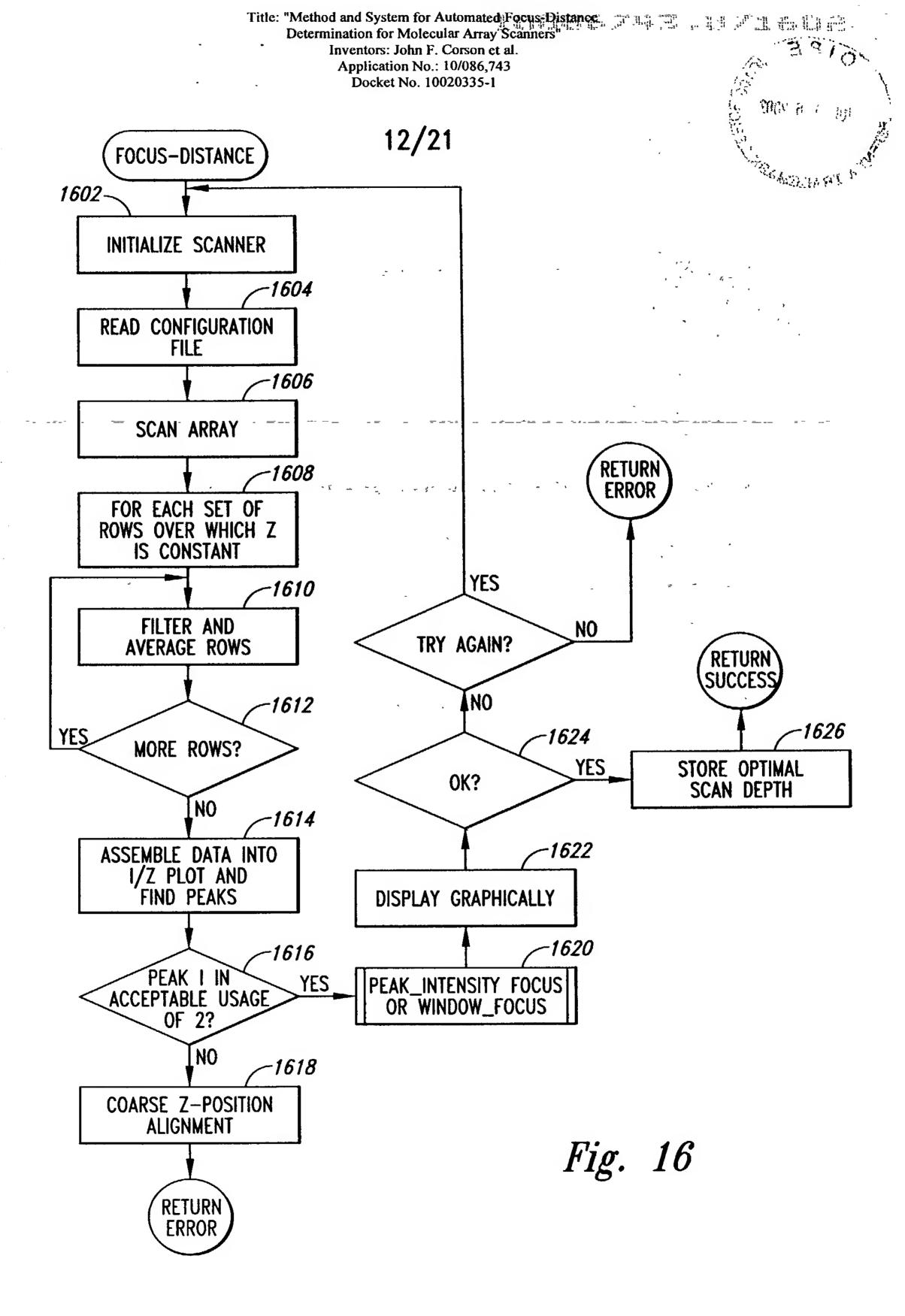


Fig. 15



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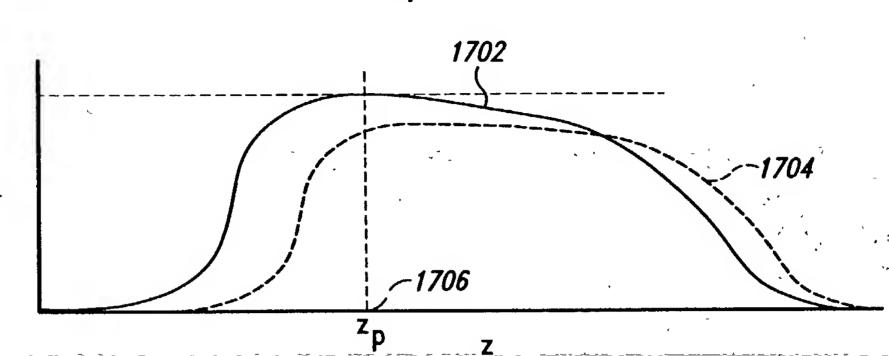
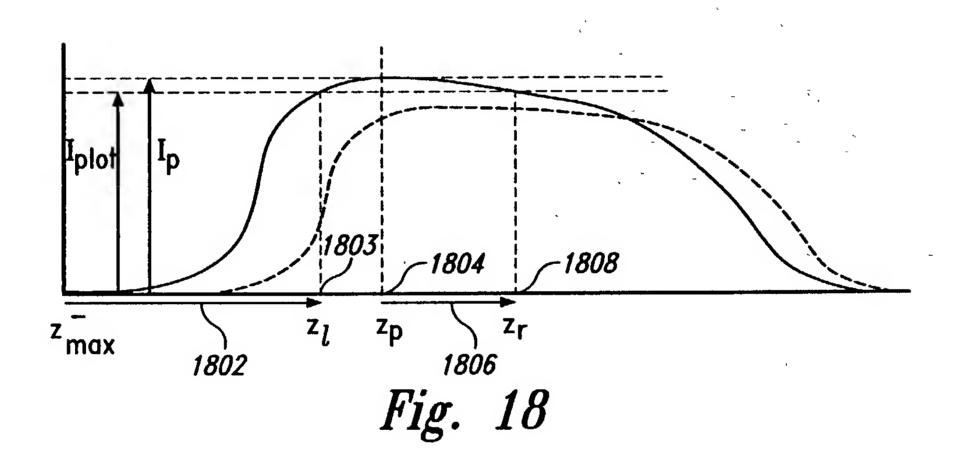


Fig. 17



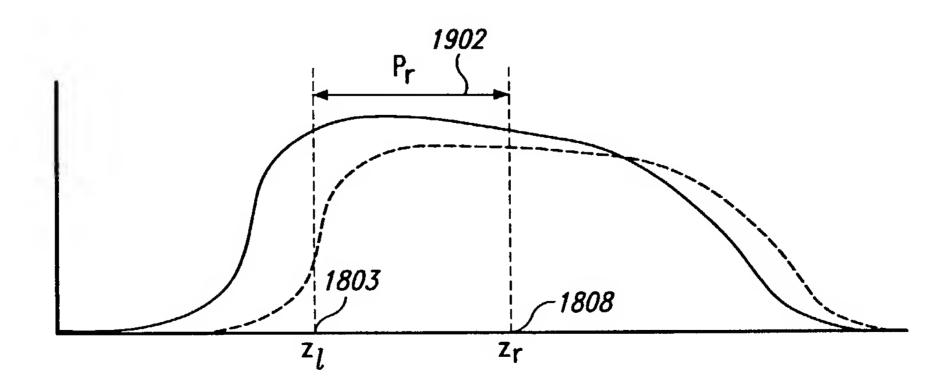


Fig. 19

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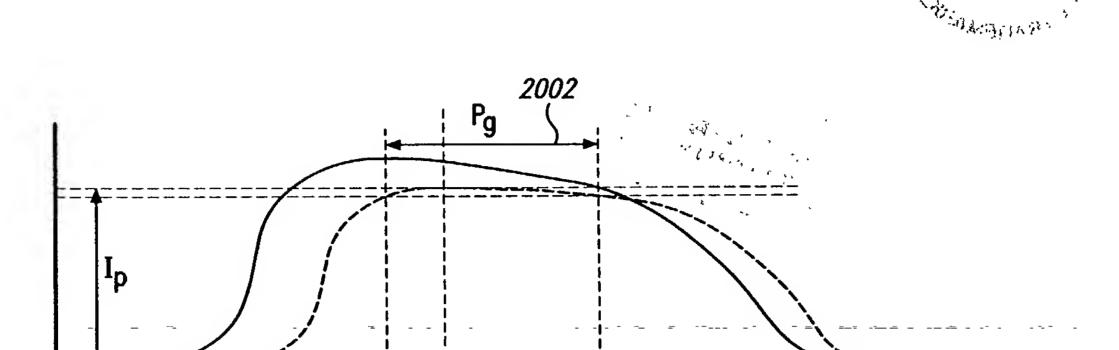


Fig. 20

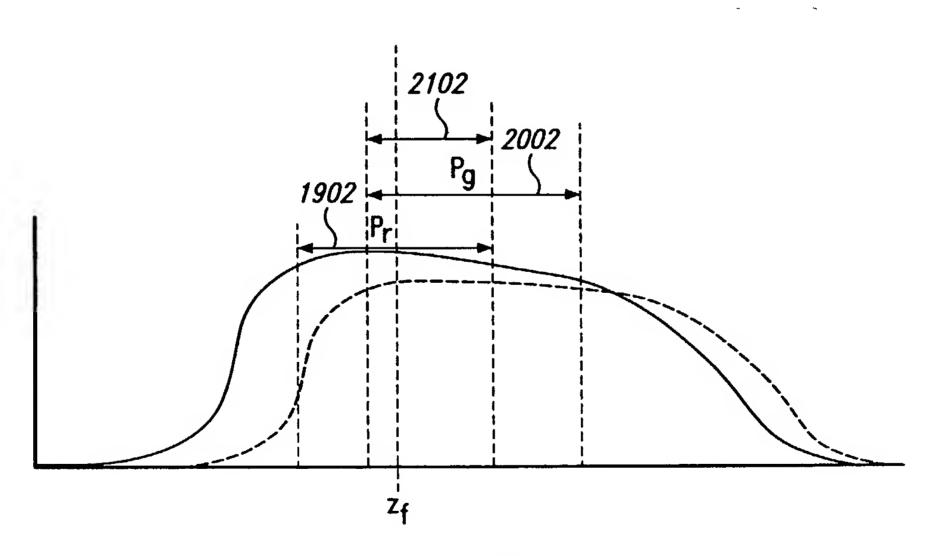


Fig. 21

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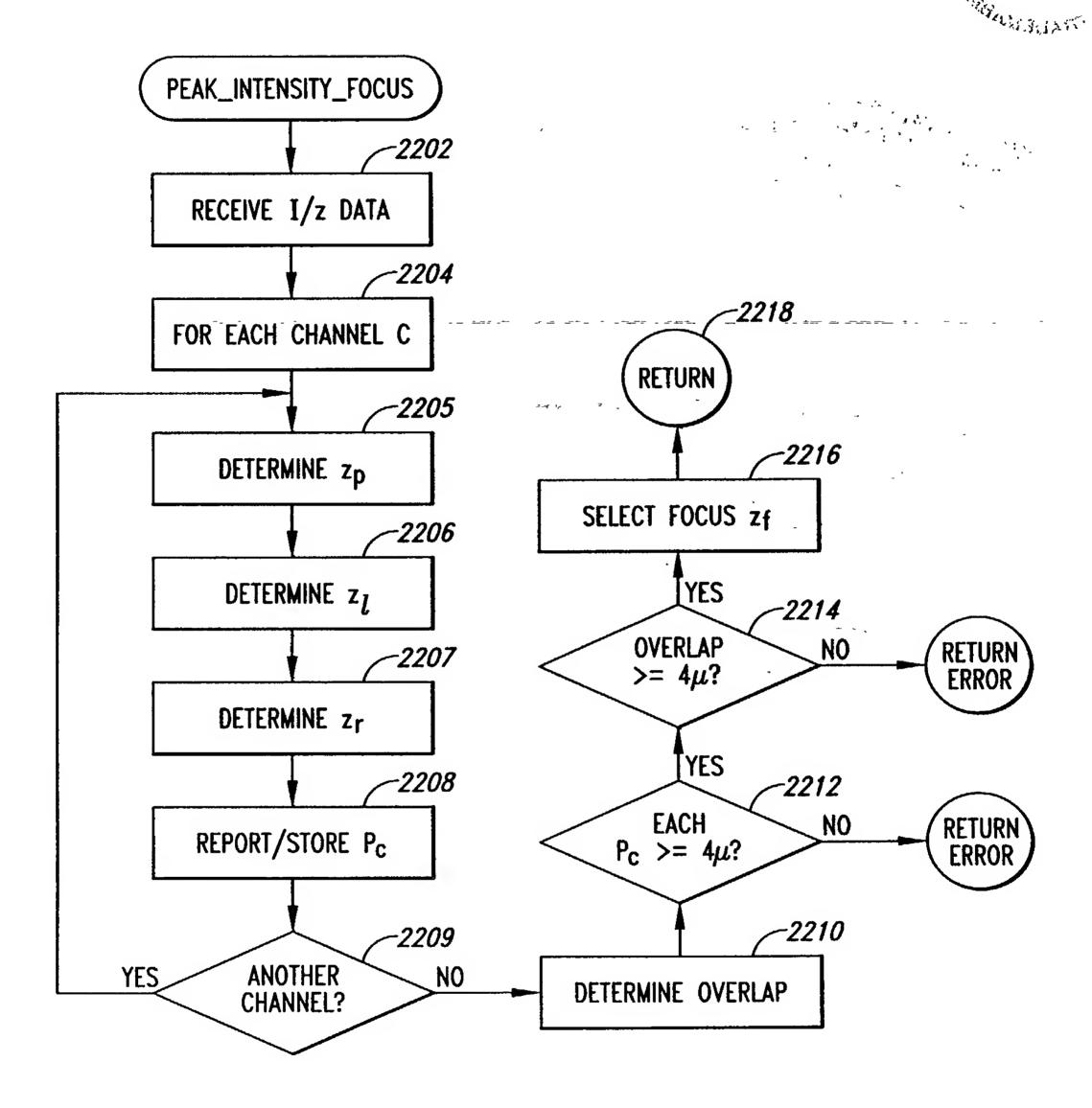
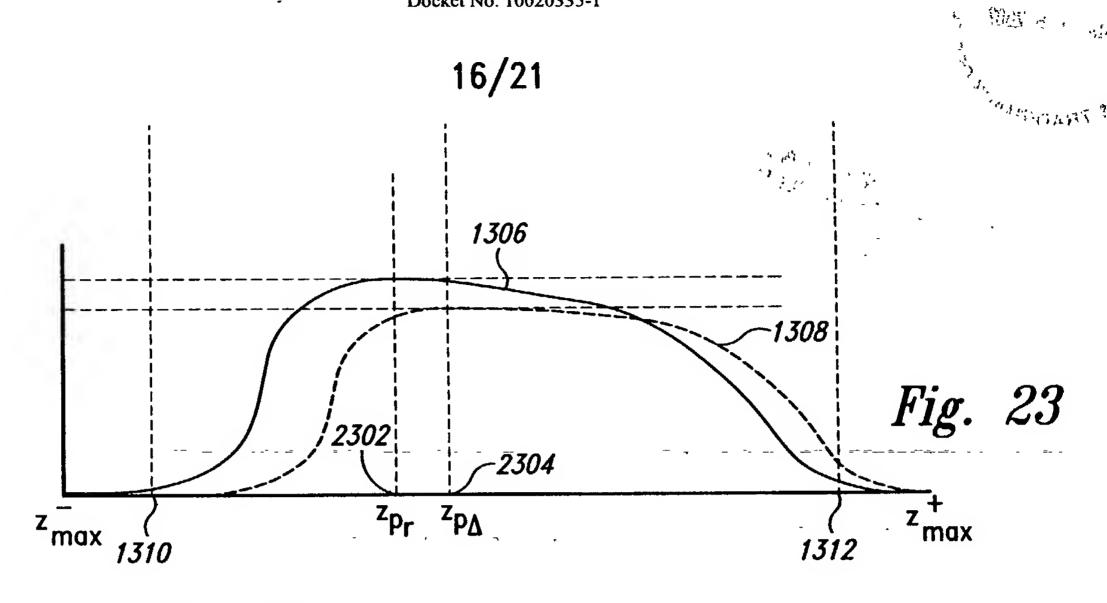


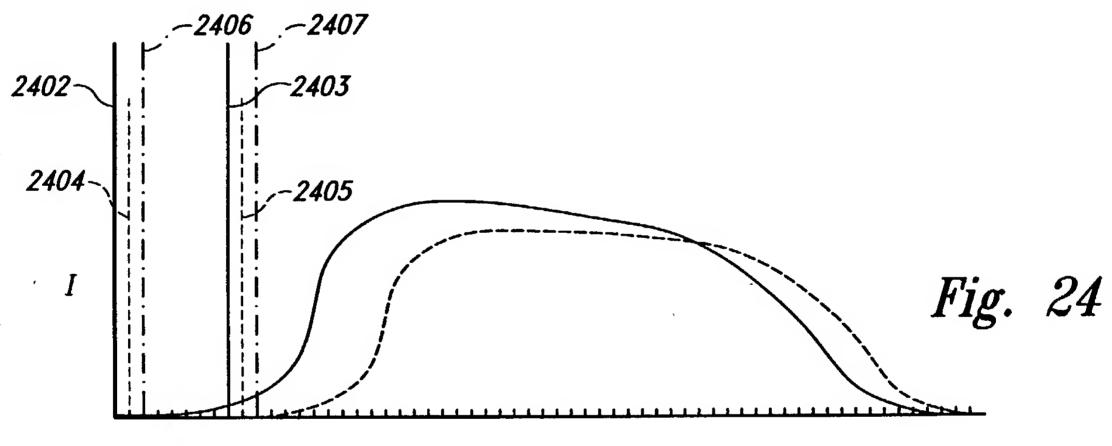
Fig. 22

Title: "Method and System for Automated Focus Distance."

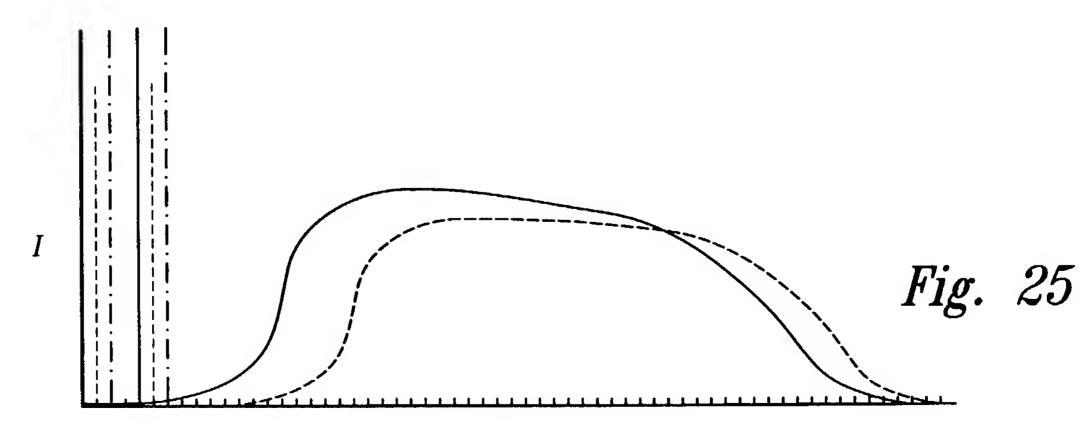
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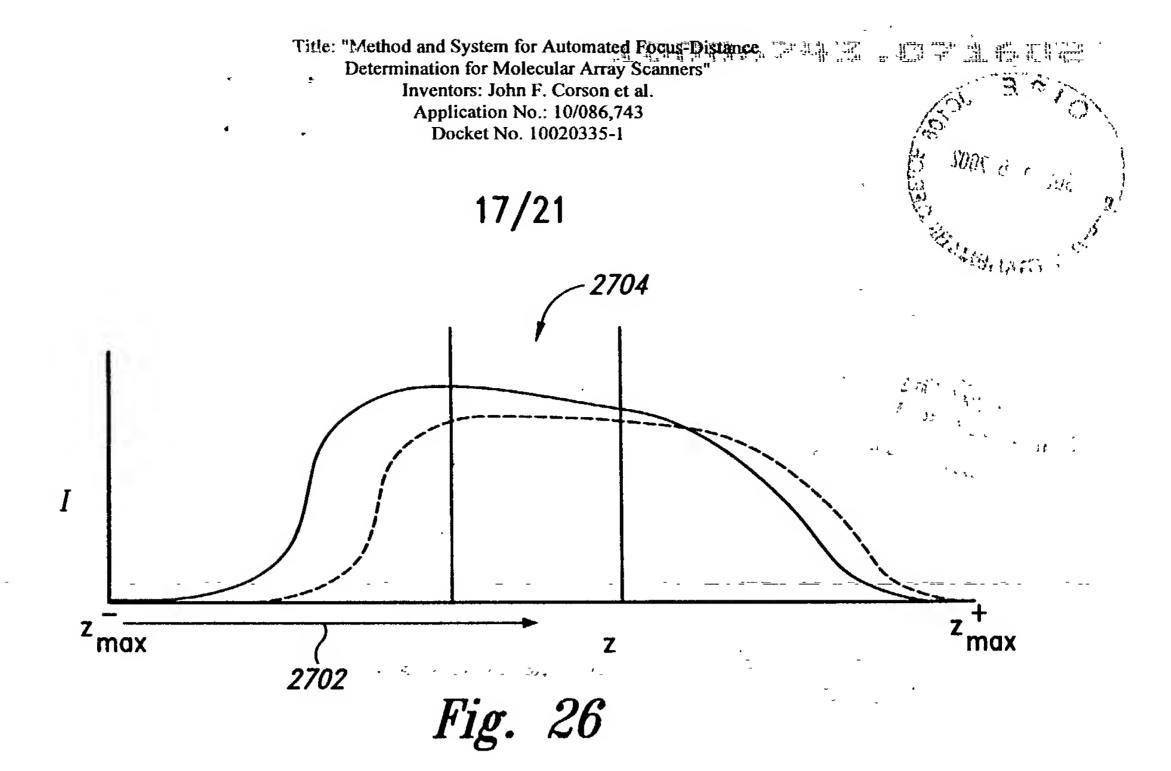
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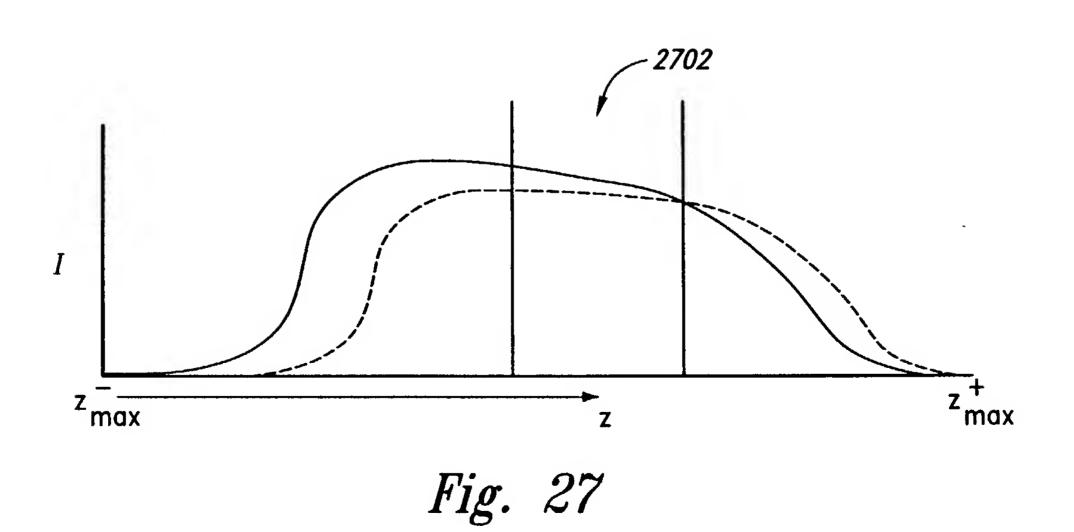




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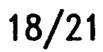




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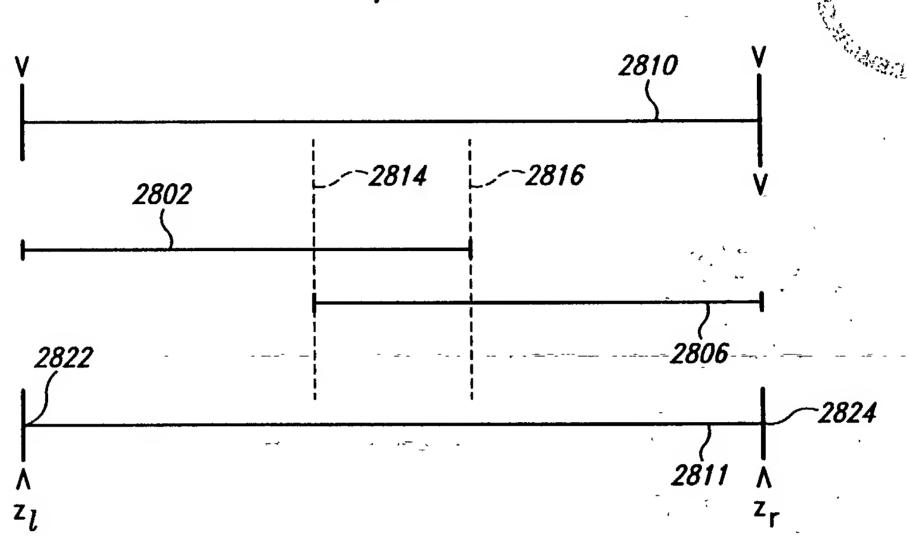


Fig. 28A

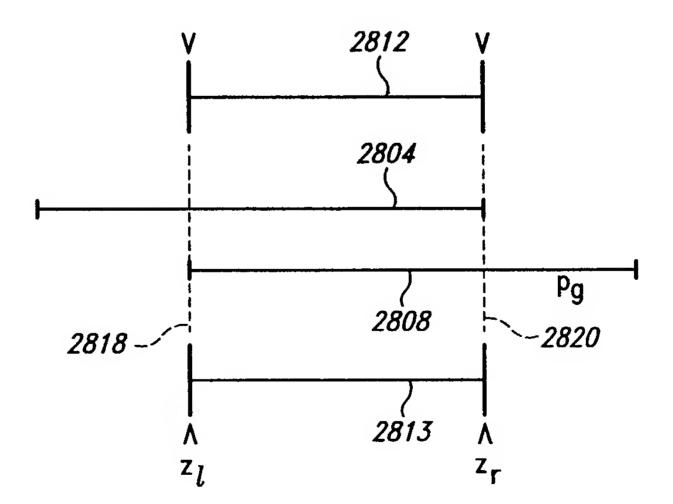


Fig. 28B

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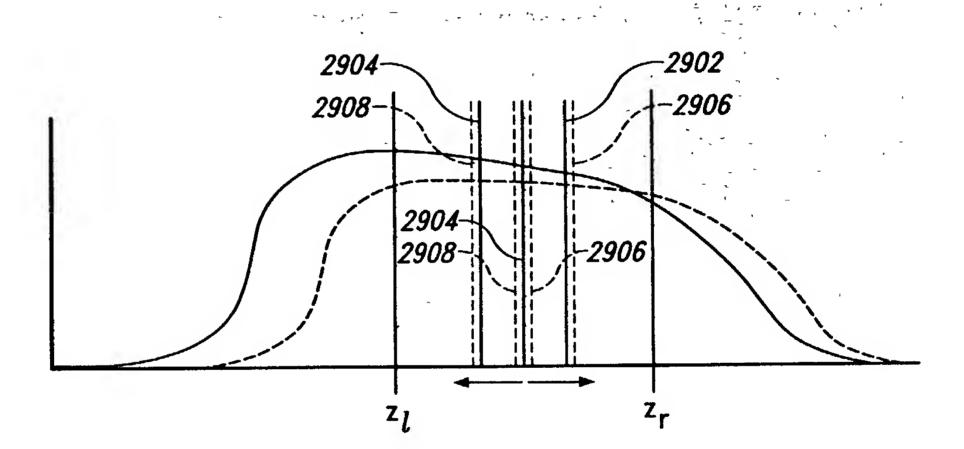


Fig. 29

Inventors: John F. Corson et al. Application No.: 10/086,743 Docket No. 10020335-1 21/21 MICRO_FOCUS -3102 COMPUTE $z_c = z_l + (z_r - z_l)/z$ -3104 DIVIDE SPAN FROM z_l TO z_r into 2μ WINDOWS -3106 NO ODD NUMBER OF WINDOWS? SUCCESS YES -3110 -3108 SET FOCUS = CENTER OF WINDOW YES CENTER WINDOW ACCEPTABLE? -3112 FOR i = 1 TO RIGHT-MOST WINDOW AND j =-1 DOWN TO LEFT-**MOST WINDOW** -3113 ${\tt WINDOW}~i$ YES **ACCEPTABLE?** -3116 RETURN NO i = i + 1**FAILURE** j = j - 1-3114 **WINDOW** YES -3120 ACCEPTABLÉ? SELECT WINDOW WITH SMALLEST RMS AS FOCUS NO -3118 -3115 i = =NO YES COMPUTE RMS FOR RIGHTMOST EACH 2μ WINDOW WINDOW? Fig. 31

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